

## Number of Mines by Detailed Commodity and Type of Operation, 2008

Data source: MSHA

|                                   |  | Underground Mining Operation <sup>1</sup> |   | Surface Mining Operation |                                 |                    |                      |                  | Total        |
|-----------------------------------|--|---|---|--------------------------|---------------------------------|--------------------|----------------------|------------------|--------------|
|                                   |  | Underground                               | Underground with Surface Prep Plant or Mill | Surface <sup>2</sup>     | Surface with Prep Plant or Mill | Prep Plant or Mill | Sand & Gravel Dredge | Independent Shop |              |
| <b>Commodity</b>                  |  |   |   |                          |                                 |                    |                      |                  |              |
| <b>Coal operator</b>              | Anthracite                                       | 14  | 0   | 99                       | 5                               | 41                 | 0                    | 0                | 159          |
|                                   | Bituminous                                       | 605                                       | 46  | 873                      | 88                              | 323                | 0                    | 35               | 1,970        |
|                                   | <b>Subtotal</b>                                  | <b>619</b>                                | <b>46</b>                                   | <b>972</b>               | <b>93</b>                       | <b>364</b>         | <b>0</b>             | <b>35</b>        | <b>2,129</b> |
| <b>Metal operator</b>             | Iron ore   | 0   | 0   | 23                       | 5                               | 11                 | 0                    | 1                | 40           |
|                                   | Copper   | 6   | 1   | 8                        | 16                              | 7                  | 0                    | 0                | 38           |
|                                   | Gold   | 45  | 11  | 40                       | 22                              | 15                 | 0                    | 0                | 133          |
|                                   | Lead/zinc ores                                   | 7   | 7   | 0                        | 1                               | 0                  | 0                    | 1                | 16           |
|                                   | Silver ores                                      | 3   | 4   | 0                        | 1                               | 0                  | 0                    | 0                | 8            |
|                                   | Platinum group                                   | 0   | 2   | 0                        | 0                               | 0                  | 0                    | 0                | 2            |
|                                   | Alumina mill                                     | 0   | 0   | 0                        | 1                               | 5                  | 0                    | 0                | 6            |
|                                   | Other metals                                     | 16  | 3   | 6                        | 7                               | 17                 | 0                    | 1                | 50           |
|                                   | <b>Subtotal</b>                                  | <b>77</b>                                 | <b>28</b>                                   | <b>77</b>                | <b>53</b>                       | <b>55</b>          | <b>0</b>             | <b>3</b>         | <b>293</b>   |
| <b>Nonmetal operator</b>          | Clay, common                                     | 1   | 0   | 98                       | 31                              | 36                 | 0                    | 0                | 166          |
|                                   | Phosphate rock                                   | 0   | 0   | 7                        | 10                              | 0                  | 0                    | 0                | 17           |
|                                   | Trona, potash, borate minerals, sodium compounds | 2   | 5   | 4                        | 2                               | 5                  | 0                    | 0                | 18           |
|                                   | Other Nonmetals                                  | 18  | 18  | 273                      | 89                              | 121                | 0                    | 0                | 519          |
|                                   | <b>Subtotal</b>                                  | <b>21</b>                                 | <b>23</b>                                   | <b>382</b>               | <b>132</b>                      | <b>162</b>         | <b>0</b>             | <b>0</b>         | <b>720</b>   |
| <b>Stone operator</b>             | Dimension stone                                  | 3   | 1   | 774                      | 93                              | 9                  | 0                    | 2                | 882          |
|                                   | Crushed stone                                    | 46  | 59  | 2,053                    | 1,278                           | 124                | 0                    | 15               | 3,575        |
|                                   | Cement   | 0   | 0   | 1                        | 75                              | 41                 | 0                    | 0                | 117          |
|                                   | Lime   | 0   | 2   | 15                       | 11                              | 31                 | 0                    | 0                | 59           |
|                                   | <b>Subtotal</b>                                  | <b>49</b>                                 | <b>62</b>                                   | <b>2,843</b>             | <b>1,457</b>                    | <b>205</b>         | <b>0</b>             | <b>17</b>        | <b>4,633</b> |
| <b>Sand &amp; gravel operator</b> | Lead/zinc ores                                   | 0   | 0   | 0                        | 0                               | 1                  | 0                    | 0                | 1            |
|                                   | Other Nonmetals                                  | 0   | 0   | 1                        | 0                               | 0                  | 0                    | 0                | 1            |
|                                   | Sand and gravel                                  | 0   | 0   | 6,339                    | 0                               | 0                  | 791                  | 0                | 7,130        |
|                                   | <b>Subtotal</b>                                  | <b>0</b>                                  | <b>0</b>                                    | <b>6,340</b>             | <b>0</b>                        | <b>1</b>           | <b>791</b>           | <b>0</b>         | <b>7,132</b> |

|                  |  | Underground Mining Operation <sup>1</sup> |   | Surface Mining Operation |                                 |                    |                      |                  | Total         |
|------------------|--|---|---|--------------------------|---------------------------------|--------------------|----------------------|------------------|---------------|
|                  |  | Underground                               | Underground with Surface Prep Plant or Mill | Surface <sup>2</sup>     | Surface with Prep Plant or Mill | Prep Plant or Mill | Sand & Gravel Dredge | Independent Shop |               |
| <b>Commodity</b> |  |   |   |                          |                                 |                    |                      |                  |               |
| <b>Total</b>     | Anthracite                                       | 14  | 0   | 99                       | 5                               | 41                 | 0                    | 0                | 159           |
|                  | Bituminous                                       | 605                                       | 46  | 873                      | 88                              | 323                | 0                    | 35               | 1,970         |
|                  | Iron ore   | 0   | 0   | 23                       | 5                               | 11                 | 0                    | 1                | 40            |
|                  | Copper   | 6   | 1   | 8                        | 16                              | 7                  | 0                    | 0                | 38            |
|                  | Gold   | 45  | 11  | 40                       | 22                              | 15                 | 0                    | 0                | 133           |
|                  | Lead/zinc ores                                   | 7   | 7   | 0                        | 1                               | 1                  | 0                    | 1                | 17            |
|                  | Silver ores                                      | 3   | 4   | 0                        | 1                               | 0                  | 0                    | 0                | 8             |
|                  | Platinum group                                   | 0   | 2   | 0                        | 0                               | 0                  | 0                    | 0                | 2             |
|                  | Alumina mill                                     | 0   | 0   | 0                        | 1                               | 5                  | 0                    | 0                | 6             |
|                  | Other metals                                     | 16  | 3   | 6                        | 7                               | 17                 | 0                    | 1                | 50            |
|                  | Clay, common                                     | 1   | 0   | 98                       | 31                              | 36                 | 0                    | 0                | 166           |
|                  | Phosphate rock                                   | 0   | 0   | 7                        | 10                              | 0                  | 0                    | 0                | 17            |
|                  | Trona, potash, borate minerals, sodium compounds | 2   | 5   | 4                        | 2                               | 5                  | 0                    | 0                | 18            |
|                  | Other Nonmetals                                  | 18  | 18  | 274                      | 89                              | 121                | 0                    | 0                | 520           |
|                  | Dimension stone                                  | 3   | 1   | 774                      | 93                              | 9                  | 0                    | 2                | 882           |
|                  | Crushed stone                                    | 46  | 59  | 2,053                    | 1,278                           | 124                | 0                    | 15               | 3,575         |
|                  | Cement   | 0   | 0   | 1                        | 75                              | 41                 | 0                    | 0                | 117           |
|                  | Lime   | 0   | 2   | 15                       | 11                              | 31                 | 0                    | 0                | 59            |
|                  | Sand and gravel                                  | 0   | 0   | 6,339                    | 0                               | 0                  | 791                  | 0                | 7,130         |
| <b>Total</b>     |  | <b>766</b>                                | <b>159</b>                                  | <b>10,614</b>            | <b>1,735</b>                    | <b>787</b>         | <b>791</b>           | <b>55</b>        | <b>14,907</b> |

| Commodity    | Underground | Surface       | Total         |
|--------------|-------------|---------------|---------------|
| Coal         | 665         | 1,464         | 2,129         |
| Noncoal      | 260         | 12,518        | 12,778        |
| <b>Total</b> | <b>925</b>  | <b>13,982</b> | <b>14,907</b> |

<sup>1</sup>Underground includes mining operations reporting employment at underground and/or surface at underground.

<sup>2</sup>Surface includes mining operations reporting employment at strip mines, quarries, culm banks augering, and dredge (except for sand and gravel).

NOTE: These tables contain counts of the number of mines for various commodities and for different types of operations reporting any employment in 2008. Some may not be producing and reporting only one or two employees. Also, some of these operations may have closed down by the end of the year. Mines at which only independent contractors are working would show no employment and would not be counted.